

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1. (Previously Presented) An AutoREC signal multiplex apparatus comprising:

video signal generation means of generating a video signal by recording a video,

indication means of indicating a start of said recording and/or a stop of said recording,

AutoREC signal generation means of generating an AutoREC signal, which has recording marks to be multiplexed with frames where said recording is continued, in conjunction with the start of said recording and/or the stop of said recording based on said indication; and

AutoREC signal multiplex means of multiplexing said generated AutoREC signal with said generated video signal.
2. (Original) The AutoREC signal multiplex apparatus according to claim 1, wherein said AutoREC signal multiplex means multiplexes said generated AutoREC signal with said generated video signal at the timing of said indication.
3. (Original) The AutoREC signal multiplex apparatus according to claim 1, wherein said AutoREC signal is multiplexed with a LTC (Longitudinal Time Code) user's bit or a VITC (Vertical Interval Time Code) user's bit of a frame of said video signal.
4. (Original) The AutoREC signal multiplex apparatus according to claim 1, wherein said AutoREC signal has a start mark to be multiplexed with a frame where said recording is started, and a stop mark to be multiplexed with a frame where said recording is stopped.
5. (Original) The AutoREC signal multiplex apparatus according to claim 4, wherein said AutoREC signal multiplex means multiplexes said start marks with a predetermined number of frames after the frame where said recording is started.

6. (Original) The AutoREC signal multiplex apparatus according to claim 4, wherein said AutoREC signal multiplex means multiplexes said stop marks with a predetermined number of frames before the frame where said recording is stopped.

7. (Cancelled)

8. (Previously Presented) An AutoREC signal multiplex method comprising:

a video signal generation step of generating a video signal by recording a video,

an indication step of indicating a start of said recording and/or a stop of said recording,

an AutoREC signal generation step of generating an AutoREC signal, which has recording marks to be multiplexed with frames where said recording is continued, in conjunction with the start of said recording and/or the stop of said recording based on said indication; and

an AutoREC signal multiplex step of multiplexing said generated AutoREC signal with said generated video signal.

9. (Currently Amended) A program for making a computer execute: the video signal generation step of generating a video signal by recording a video, the AutoREC signal generation step of generating an AutoREC signal, which has recording marks to be multiplexed with frames where said recording is continued, in conjunction with the start of said recording and/or the stop of said recording based on said indication, and the AutoREC signal multiplex step of multiplexing said generated AutoREC signal with said generated video signal; the steps being included in the AutoREC signal multiplex ~~multiplex~~-method according to claim 8.

10. (Original) A recording medium which stores the program according to claim 9, wherein the recording medium is computer-processible.

11. (New) A video signal division apparatus comprising:

AutoREC signal detection means of detecting an AutoREC signal which is (1) generated, based on indication of a start of a recording of a video and/or a stop of said recording, in

conjunction with the start of said recording and/or the stop of said recording, and (2) multiplexed with a video signal generated by performing said recording, and

video signal division means of dividing said video signal based on a result of said detection.

12. (New) The video signal division apparatus according to claim 11, wherein said AutoREC signal has a start mark to be multiplexed with a frame where said recording is started, and a stop mark to be multiplexed with a frame where said recording is stopped.

13. (New) The video signal division apparatus according to claim 12, wherein said video signal division means once divides said generated video signal when said AutoREC signal detection means continuously detects said start marks without detecting said stop marks.

14. (New) The video signal division apparatus according to claim 11, wherein said AutoREC signal has recording marks to be multiplexed with frames where said recording is continued.

15. (New) The video signal division apparatus according to claim 14, wherein said video signal division means once divides said generated video signal when said AutoREC signal detection means stops detecting said recording marks.

16. (New) The video signal division apparatus according to claim 14, wherein said recording mark has a value which changes for every frame.

17. (New) The video signal division apparatus according to claim 16, wherein said video signal division means once divides said generated video signal when said AutoREC signal detection means continuously detects said recording marks having the same value.

18. (New) The video signal division apparatus according to claim 11, wherein said generated AutoREC signal is multiplexed again with said divided video signal.

19. (New) The video signal division apparatus according to claim 11, wherein a predetermined pre-roll video signal is inserted just before said divided video signal.

20. (New) A video signal division method comprising:

an AutoREC signal detection step of detecting an AutoREC signal which is (1) generated, based on indication of a start of a recording of a video and/or a stop of said recording, in conjunction with the start of said recording and/or the stop of said recording, and (2) multiplexed with a video signal generated by performing said recording, and

a video signal division step of dividing said video signal based on a result of said detection.

21. (New) A program for making a computer execute: the AutoREC signal detection step of detecting an AutoREC signal which is (1) generated, based on indication of a start of a recording of a video and/or a stop of said recording, in conjunction with the start of said recording and/or the stop of said recording, and (2) multiplexed with a video signal generated by performing said recording, and the video signal division step of dividing said video signal based on a result of said detection; the steps being included in the video signal division method according to claim 20.

22. (New) A recording medium which stores the program according to claim 21, wherein the recording medium is computer-processible.

23. (New) A video system, comprising:

an AutoREC signal multiplex apparatus, having video signal generation means of generating a video signal by recording a video, indication means of indicating a start of said recording and/or a stop of said recording, AutoREC signal generation means of generating an AutoREC signal in conjunction with the start of said recording and/or the stop of said recording based on said indication, and AutoREC signal multiplex means of multiplexing said generated AutoREC signal with said generated video signal, and

a video signal division apparatus, having AutoREC signal detection means of detecting an AutoREC signal which is multiplexed with said video signal, and video signal division means of dividing said video signal based on a result of said detection.